

very striking contrast ; and although this peculiarity is well described by Forster and the older authors, I was at one time inclined to think they had united two different species under one name.

There is a specimen of a male *Casarca variegata* in the British Museum which has not the chestnut termination of the secondaries observable in other specimens and in our bird. This I look upon as probably a melanoid variety.

By some authors the curious *Anas nævosa*, figured in Mr. Gould's 'Birds of Australia' (vii. pl. 10), has been arranged as a *Tadorna*. But although this species somewhat resembles the Sheldrakes in the form of the bill, its short legs render it readily distinguishable ; and the bird may better be called by Bonaparte's term for it, *Stictonetta* (Compt. Rend. xliii. p. 649), or left as an *Anas* until we know more about it.

#### 4. DESCRIPTIONS OF NEW GENERA AND SPECIES OF CHITONIDÆ FROM THE AUSTRALIAN SEAS, IN THE COLLECTION OF GEORGE FRENCH ANGAS. BY HENRY ADAMS, F.L.S., AND G. F. ANGAS, CORR. MEM. Z. S.

##### 1. LEPIDOPLEURUS VARIEGATUS, nob.

*L. testa oblonga, convexa, albida, viridi maculata et irregulariter fusco ornata, maculis ad latera confertioribus ; valvis terminalibus minute divaricatim striatis, ad margines radiatim costatis et concentricè sulcatis ; valvis mediis subcarinatis ; areis dorsalibus minute divaricatim striatis ; areis lateralibus vix elevatis, nonnullis tuberculatis, costis radiatis, ad margines concentricè sulcatis, interstitiis minute granulatis. Limbus pallido-fuscus, squamulis parvis confertis obtectus.*

Long. 18, lat. 8 mill.

*Hab.* York's Peninsula (*Coll. Angas.*).

##### 2. LEPIDOPLEURUS SPECIOSUS, nob.

*L. testa elongata, fulva, dorso longitudinaliter rubro-fusco ornata, ad marginem cingulis latis, concentricis, viridibus ; valvis terminalibus et areis lateralibus concentricè costatis, costis pustulosis, interstitiis minute granulatis, arcis lateralibus subelevatis ; valvis mediis carinatis ; areis dorsalibus crebre divaricatim rugoso-striatis. Limbus pallido-fuscus, squamis medio-ribus imbricatis obtectus.*

Long. 35, lat. 20 mill.

*Hab.* Port Lincoln (*Coll. Angas.*).

##### 3. LEPIDOPLEURUS LIRATUS, nob.

*L. testa parva, elongata, convexa, flavido-fusca, pallide fusco maculata ; valvis terminalibus et areis lateralibus concentricè remote sulcatis, dense et minute radiatim liratis, liris confertim pustulosis, valva postica elevata, areis lateralibus vix elevatis ;*

*valvis mediis obtuse carinatis; areis dorsalibus longitudinaliter liratis, liris confertim pustulosis. Limbus pallido-fuscus, squamulis minutis dense obsitus.*

Long. 8, lat. 4 mill.

*Hab.* York's Peninsula (*Coll. Angas.*).

Genus STENOCHITON, nob.

*Testa elongata, angusta, convexa. Valvæ longiores quam latæ, non carinatæ; apex posterioris valvæ subcentralis; laminae insertionis parvæ, valvarum terminalium multis fissuris, intermediarum utrinque 5 fissuris. Limbus squamulis minutissimis, politis, imbricatis obtectus.*

4. STENOCHITON JULOIDES, nob.

*S. testa elongatissima, angusta, antice angustiore, rufo-fusca, minute albo maculata et ornata; valvis angustis, longioribus quam latis, valde convexis, non carinatis, marginibus lateralibus vix rotundatis, politis; areis lateralibus elevatis et ad margines concentricè sulcatis. Limbus angustus, pallido-fuscus, atro-fusco maculatus, squamulis minutissimis, politis, imbricatis obtectus.*

Long. 25, lat. 6 mill.

*Hab.* Holdfast Bay, South Australia (*Coll. Angas.*).

This species, from its narrow convex form and polished surface, has much the general appearance of a Myriapod, which has suggested the name we have attached to it.

5. CHÆTOPLEURA CONSPERSA, nob.

*C. testa oblongo-ovata, convexa, albida, viridi-fusco parce irregulariter maculata; valva antica radiatim costata et concentricè rugoso-striata; valva postica et valvis mediis transversim rugose et undulatim striatis; areis dorsalibus subcarinatis, medio sublævibus; areis lateralibus planis, ab areis dorsalibus costis prominentibus divisus, marginibus posterioribus elevatis et ad extremitates valde callosis. Limbus pallido-fuscus, atro-fusco maculatus, spiculis brevibus, albis, corneis sparsim obsitus.*

Long. 22, lat. 14 mill.

*Hab.* Port Lincoln (*Coll. Angas.*).

6. LORICA ANGASI, H. Ad.

*L. testa ovata, postice coarctata et angulata, pallido-fusca, viridi variegata; valva antica concentricè striata et costis pustulosis radiata; valva posteriore angustata, transverse sulcata et dense longitudinaliter lirata; valvis mediis subcarinatis; areis dorsalibus dense liratis et transverse sulcatis; areis lateralibus elevatis, radiatim liratis, liris pustulosis. Limbus mediocris, olivaceus, squamis minutis obsitus.*

Long. 40, lat. 26 mill.

*Hab.* Rapid Bay, South Australia (*Coll. Angas.*).

This species is very interesting from presenting us with another example of a peculiar Australian form. It differs from *L. volvox* and *L. cimolia* of Reeve in the valves being much broader and less raised at the hinder parts, and in having the scales of the mantle smaller.

Genus MICROPLAX, nob.

*Testa elongata. Valvæ partibus externis parvis, cordiformes, disjunctæ; laminæ insertionis magnæ. Limbus nudus.*

In this genus the exposed parts of the valves are very small, and are completely disunited, the distance between them in *Microplax grayi* being nearly equal to the length of the valves.

7. MICROPLAX GRAYI, nob.

*M. testa elongata, convexa, fusca; partibus externis valvarum minutis, late cordiformibus, carinatis, valde granulatis, interstitiis longitudinem valvarum vix æquantibus; areis lateralibus costa distinctis. Limbus mediocris, corneus, lævis.*

Long. 13, lat. 5 mill.

*Hab.* Sydney Harbour, under stones at low water (*Coll. Angas.*).

8. HANLEYA VARIABILIS, nob.

*H. testa oblonga, albida, atro-fusco variegata; valvis latis, carinatis; areis dorsalibus longitudinaliter dense costatis, costis confertim pustulosis; areis lateralibus vix elevatis, transverse et undulatum costatis, costis confertim pustulosis. Limbus ad marginem spiculis brevibus, albis, corneis instructus, fasciculis spiculorum pallidorum.*

Long. 16, lat. 10 mill.

*Hab.* York's Peninsula (*Coll. Angas.*).

9. ACANTHOCHITES CARINATUS, nob.

*A. testa elongata; valvis mediocribus, valde carinatis, postice mucronatis, albidis, rufo-fusco maculatis, creberrime pustulosis, medio atro-fuscis, lævibus; areis lateralibus indistinctis. Limbus spiculis minutis albis obsitus, fasciculis spiculorum pallidorum.*

Long. 30, lat. 16 mill.

*Hab.* Sydney (*Coll. Angas.*).

10. ACANTHOCHITES COSTATUS, nob.

*A. testa elongata; valvis mediocribus carinatis, angulatim cordatis, granulatis, pallido-fuscis; areis lateralibus ab areis dorsalibus costis prominentibus divisis; areis dorsalibus medio lævibus, albidis. Limbus spiculis brevibus, albis, fugaceis obsitus, fasciculis spiculorum alborum longiorum instructus.*

Long. 18, lat. 7 mill.

*Hab.* Sydney (*Coll. Angas.*).